

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L3 | 256 | "15".clas. and ((lead ball) near2 screw\$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/19 14:30 |
| L4 | 150 | "15".clas. and ((lead ball) near2 screw\$4) and brush\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/19 14:30 |
| L5 | 10 | ("2751617" "3457576" "3999239" "4165549").PN. OR ("4208754").URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/19 14:37 |
| S1 | 1 | 10/588753.app. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2009/10/30 11:56 |
| S2 | 75 | (US-20070143954-\$). did. or (US-4706325-\$ or US-5778485-\$ or US-5255408-\$ or US-3239868-\$ or US-4378610-\$ or US-3780391-\$ or US-2920987-\$ or US-6199244-\$ or US-3395042-\$ or US-4197610-\$ or US-2220224-\$ or US-3204282-\$ or US-5537711-\$ or US-5023361-\$ or US-4901394-\$ or US-5054156-\$ or US-3691582-\$ or US-5928434-\$ or US-3636662-\$ or US-4742594-\$ or US-3418673-\$ or US-6944904-\$ or US-4080683-\$ or US-5957700-\$ or US-5319820-\$ or US-6370720-\$). did. or (US-5649828-\$ or US-6895627-\$ or US-3858265-\$ or US-3986223-\$ or US- | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 11:04 |

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|-----|------|--|---|----|-----|------------------|
| | | 3915737-\$).did. or (US-3054130-\$ or US-1773961-\$ or US-1940954-\$ or US-2380550-\$ or US-3163943-\$ or US-1487052-\$).did. or (JP-04053519-\$ or JP-04180720-\$).did. | | | | |
| S3 | 7 | S2 and (ion ioniz\$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 11:10 |
| S4 | 52 | ("2015583" "2920987" "3097971" "3128492" "3395042" "3470576" "3668008" "3780391").PN. OR ("3395042" "3915737" "3986223").URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/11/04 11:14 |
| S5 | 25 | S4 and (ion ioniz\$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 11:16 |
| S6 | 14 | ("1237047" "3128492" "3395042" "3882568" "3986223").PN. OR ("4268934").URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/11/04 11:36 |
| S7 | 4 | "3915737".pn. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 11:45 |
| S8 | 6 | ("20010041442" "20020004354" "6186873").PN. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 14:23 |
| S9 | 1 | 11/487332.app. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2009/11/04 16:11 |
| S10 | 6 | ("6370720" "5778485" "6131235").pn. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:42 |
| S11 | 1459 | 15/77.cols. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:43 |

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| S12 | 15 | 15/77.cols. and brush and ((ion\$4) and ((worm screw) near2 (shaft\$3 gear\$4))) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:44 |
| S13 | 50 | 15/77.cols. and brush and ((worm screw) near2 (shaft\$3 gear\$4)) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:47 |
| S14 | 37 | S13 not S12 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:47 |
| S15 | 2 | 15/88.4.cols. and brush and ((ion\$4) and ((worm screw) near3 (shaft\$3 gear\$4))) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:53 |
| S16 | 16 | 15/88.4.cols. and brush and ((worm screw) near2 (shaft\$3 gear\$4)) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:53 |
| S17 | 16 | S15 S16 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:53 |
| S18 | 308 | 15/88.4.cols. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 10:55 |
| S19 | 34 | ("2015583" "2920987" "3097971" "3128492" "3395042" "3470576" "3668008" "3780391" "4835808" "5265298" "5421901" "5457847" "5991965" "6205676"). PN. OR ("3915737" "3986223" "6543078"). URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 11:05 |
| S20 | 31 | ("3395042").URPN. | USPAT | OR | OFF | 2010/05/18 11:06 |
| S21 | 6 | ("20020180880" "5828918" "6543078"). PN. OR ("7057642"). URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 11:12 |
| S23 | 3 | 15/1.51.cols. and brush and ((worm screw) near2 (shaft\$3 gear\$4)) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 11:17 |

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| S24 | 8 | 15/1.51,77,88.4.ccls. and brush and (linear adj actuat\$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 11:18 |
| S25 | 2288 | 15/1.51,77,88.4.ccls. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 11:20 |
| S26 | 9 | 15/1.51,77,88.4.ccls. and brush\$4 and (linear adj actuat\$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 11:20 |
| S27 | 1 | S26 not S24 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 11:20 |
| S28 | 5 | 15/1.51.ccls. and (("worm screw) near2 (shaft\$3 gear\$4)) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 12:20 |
| S29 | 2 | 15/1.51.ccls. and (linear adj actuat\$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 12:20 |
| S30 | 7 | S28 S29 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 12:21 |
| S31 | 575 | 15/1.51.ccls. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 12:24 |
| S32 | 3 | 15/1.51,77,88.4.ccls. and (stationary near2 (workpiece (work adj piece))) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 12:37 |
| S33 | 5 | ("1829589").PN. OR ("3919733").URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 12:42 |
| S34 | 19 | ("1325296" "1642440" "2827749" "3100907" "4226034" "4689749").PN. OR ("4941230").URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 12:54 |
| S35 | 105 | "15".clas. and (brush \$4) and (linear near actuat\$4) | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 13:26 |
| S36 | 109 | "15".clas. and (brush \$4) and (linear\$4 near actuat\$4) | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 13:26 |
| S37 | 0 | 15/88.4.ccls. and (linear \$4 near actuat\$4) | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 13:27 |

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| S38 | 0 | 15/88.4.cols. and (linear \$4 near3 actuat\$4) | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 13:27 |
| S39 | 279 | 15/88.4.cols. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 13:27 |
| S40 | 308 | 15/88.4.cols. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 13:27 |
| S41 | 111 | "15".clas. and (brush \$4) and (linear\$4 near actuat\$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 13:28 |
| S42 | 0 | ("7598978").URPN. | USPAT | OR | OFF | 2010/05/18 17:20 |
| S43 | 3 | ("20070188649" "7057642" "7324148").PN. OR ("7598978").URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 17:21 |
| S44 | 71 | 15/1.51,77,88.4.ccls. and ((driving drive\$4 lead ball) near2 screw \$4) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 17:26 |
| S45 | 10 | ("2751617" "3457576" "3999239" "4165549").PN. OR ("4208754").URPN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2010/05/18 17:50 |
| S46 | 0 | "JP 2004-018702" | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 17:58 |
| S47 | 2 | "JP 2004018702" | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 17:58 |
| S48 | 20587969 | JP 2004-018702 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 17:59 |
| S49 | 4 | 2004-018702 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/18 17:59 |
| S50 | 296 | (corona adj discharge) same (compres\$4 adj (air gas)) | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/19 10:56 |
| S51 | 131630 | "15".clas. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/05/19 10:57 |

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| S52 | 6 | S50 and S51 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/05/19 10:57 |
| S53 | 298 | (air adj knife) with (compre\$4 adj (air gas)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/05/19 11:07 |
| S54 | 11 | S51 and S53 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/05/19 11:07 |

EAST Search History (Interference)

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